

**REQUIREMENTS FOR  
RESIDENTIAL VENTILATION**

Please update your files to include the amended Residential Ventilation Document.

Amendments include:

- Heat loss calculations request for calculation information, Page 1
- Requirement of Designer's Name and Signature, Page 1
- Requirement of information for **all gas appliances** in the building including heating, hot water tank, fireplace and other. See Chart on Page 2.

Applications for HVAC permits should include:

- Permit Application Form
- Residential Ventilation Document
- Supporting Calculations, Documents and Drawings

Prior to occupancy, the document labeled Residential Mechanical Ventilation Confirmation must be completed and either left on site in the building permit pouch or forwarded to the Mechanical Inspection Department at the City of Lethbridge.

If you have concerns or comments, please contact:

**Lawrence Unser**  
*Senior Mechanical Inspector*  
City of Lethbridge  
Phone: 403-320-3834  
Fax: 403-327-6571  
Email: Lawrence.Unser@lethbridge.ca

**TABLE 9.32.3.4  
Maximum Outdoor Airflow  
Forming Part of Sentence 9.32.3.4(2)**

Maximum Outdoor Airflow for Indicated Mixed Temperature, L/s																	
January 2.5% Temperature as per Appendix C, °C																	
0	0	0	-10	-10	-10	-20	-20	-20	-30	-30	-30	-40	-40	-40	-50	-50	-50
Minimum Mixed Air Temp. °C																	
15	10	5	15	10	5	15	10	5	15	10	5	15	10	5	15	10	5

Furnace Airflow, L/s																		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	32	55	77	22	38	53	17	29	40	13	23	33	11	19	27	10	17	24
200	64	109	155	4	75	106	33	57	81	27	46	65	23	39	55	19	33	47
300	-	-	-	66	113	159	50	86	121	40	69	98	34	58	82	29	50	71
400	-	-	-	-	-	-	-	-	-	54	92	131	45	77	110	39	67	94
500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	83	118

**Ventilation Capacity 2006  
TABLE 9.32.3.3  
Normal Operating Exhaust Capacity of Principal Ventilation Fan  
Forming Part of Sentence 9.32.3.3(2)**

Number of Bedrooms in Dwelling Unit	Normal Operating Exhaust Capacity of Pricipal Ventilation Fan, L/s	
	Minimum	Maximum
<b>1</b>	16	24
<b>2</b>	18	28
<b>3</b>	22	32
<b>4</b>	26	38
<b>5</b>	30	45
<b>More Than 5</b>	System must comply with Clause 9.32.3.1(1)(a)	